

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/SG 03/00137

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H03K4/501 H03K3/0231

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7. H03K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 497 127 A (SAUER DONALD J) 5 March 1996 (1996-03-05)	1-3, 6-10
Y	column 5, line 63 -column 6, line 29; figures 1-3	4, 5
Y	DE 43 40 924 A (TELEFUNKEN MICROELECTRON) 8 June 1995 (1995-06-08) figures 1, 3	4, 5
X	SHAKIBA M H ET AL: "AUTOMATIC SWING CONTROL IN RELAXATION OSCILLATORS" IEEE JOURNAL OF SOLID-STATE CIRCUITS, IEEE INC. NEW YORK, US, vol. 33, no. 12, December 1998 (1998-12), pages 1979-1986, XP000880500 ISSN: 0018-9200 page 1979 -page 1982; figures 3, 6, 7	1-3, 6, 8, 9
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

12 February 2004

Date of mailing of the international search report

19/02/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p> PATENT ABSTRACTS OF JAPAN  vol. 1995, no. 05,  30 June 1995 (1995-06-30)  -&amp; JP 07 038388 A (TOSHIBA CORP),  7 February 1995 (1995-02-07)  abstract; figure 1  ----- </p>	1-10

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5497127	A	05-03-1996	DE 69529919 D1 DE 69529919 T2 EP 0797870 A1 JP 10510964 T WO 9619041 A1	17-04-2003 11-12-2003 01-10-1997 20-10-1998 20-06-1996
DE 4340924	A	08-06-1995	DE 4340924 A1	08-06-1995
JP 07038388	A	07-02-1995	NONE	